

SEQUENCE LISTING

<110> Francisco et al.

<120> RECOMBINANT ANTI-CD30 ANTIBODIES AND USES THEREOF

<130> 9632-006

<160> 32

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 351

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (1)...(351)

<400> 1

cag atc cag ctg cag cag tct gga cct gag gtg gtg aag cct ggg gct	48
Gln Ile Gln Leu Gln Gln Ser Gly Pro Glu Val Val Lys Pro Gly Ala	
1 5 10 15	
tca gtg aag ata tcc tgc aag gct tct ggc tac acc ttc act gac tac	96
Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr	
20 25 30	
tat ata acc tgg gtg aag cag aag cct gga cag gga ctt gag tgg att	144
Tyr Ile Thr Trp Val Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile	
35 40 45	
gga tgg att tat cct gga agc ggt aat act aag tac aat gag aag ttc	192
Gly Trp Ile Tyr Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe	
50 55 60	
aag ggc aag gcc aca ttg act gta gac aca tcc tcc agc aca gcc ttc	240
Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Thr Ala Phe	
65 70 75 80	
atg cag ctc agc agc ctg aca tct gag gac act gct gtc tat ttc tgt	288
Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys	
85 90 95	
gcg aac tat ggt aac tac tgg ttt gct tac tgg ggc caa ggg act cag	336
Ala Asn Tyr Gly Asn Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Gln	
100 105 110	
gtc act gtc tct gca	
Val Thr Val Ser Ala	351
115	

<210> 2

<211> 117

<212> PRT
<213> Mus musculus

<400> 2
Gln Ile Gln Leu Gln Gln Ser Gly Pro Glu Val Val Lys Pro Gly Ala
1 5 10 15
Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30
Tyr Ile Thr Trp Val Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45
Gly Trp Ile Tyr Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe
50 55 60
Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Phe
65 70 75 80
Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95
Ala Asn Tyr Gly Asn Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Gln
100 105 110
Val Thr Val Ser Ala
115

<210> 3
<211> 15
<212> DNA
<213> Mus musculus

<400> 3
gactactata taacc

15

<210> 4
<211> 5
<212> PRT
<213> Mus musculus

<400> 4
Asp Tyr Tyr Ile Thr
1 5

<210> 5
<211> 51
<212> DNA
<213> Mus musculus

<400> 5
tggatttacc ctggaagcgg taataactaag tacaatgaga agttcaaggg c

51

<210> 6
<211> 17
<212> PRT
<213> Mus musculus

<400> 6
Trp Ile Tyr Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe Lys
1 5 10 15
Gly

<210> 7

<211> 24
 <212> DNA
 <213> Mus musculus

<400> 7
 tatggtaact actggtttgc ttac

<210> 8
 <211> 8
 <212> PRT
 <213> Mus musculus

24

<400> 8
 Tyr Gly Asn Tyr Trp Phe Ala Tyr
 1 5

<210> 9
 <211> 333
 <212> DNA
 <213> Mus musculus

<220>
 <221> CDS
 <222> (1)...(333)

<400> 9
 gac att gtg ctg acc caa tct cca gct tct ttg gct gtg tct cta ggg 48
 Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15
 cag agg gcc acc atc tcc tgc aag gcc agc caa agt gtt gat ttt gat 96
 Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Phe Asp
 20 25 30
 ggt gat agt tat atg aac tgg tac caa cag aaa cca gga cag cca ccc 144
 Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
 35 40 45
 aaa gtc ctc atc tat gct gca tcc aat cta gaa tct ggg atc cca gcc 192
 Lys Val Leu Ile Tyr Ala Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala
 50 55 60
 agg ttt agt ggc agt ggg tct ggg aca gac ttc acc ctc aac atc cat 240
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
 65 70 75 80
 cct gtg gag gag gag gat gct gca acc tat tac tgt cag caa agt aat 288
 Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Ser Asn
 85 90 95
 gag gat ccg tgg acg ttc ggt gga ggc acc aag ctg gaa atc aaa 333
 Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105 110

<210> 10
 <211> 111
 <212> PRT

<213> Mus musculus

<400> 10

Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
1 5 10 15
Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Phe Asp
20 25 30
Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45
Lys Val Leu Ile Tyr Ala Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala
50 55 60
Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
65 70 75 80
Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Ser Asn
85 90 95
Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 11

<211> 45

<212> DNA

<213> Mus musculus

<400> 11

aaggccagcc aaagtgttga ttttgatggt gatagttata tgaac

45

<210> 12

<211> 15

<212> PRT

<213> Mus musculus

<400> 12

Lys Ala Ser Gln Ser Val Asp Phe Asp Gly Asp Ser Tyr Met Asn
1 5 10 15

<210> 13

<211> 21

<212> DNA

<213> Mus musculus

<400> 13

gctgcattcca atctagaatc t

21

<210> 14

<211> 7

<212> PRT

<213> Mus musculus

<400> 14

Ala Ala Ser Asn Leu Glu Ser
1 5

<210> 15

<211> 27

<212> DNA

<213> Mus musculus

<400> 15

cagcaaagta atgaggatcc gtggacg

27

<210> 16
<211> 9
<212> PRT
<213> Mus musculus

<400> 16
Gln Gln Ser Asn Glu Asp Pro Trp Thr
1 5

<210> 17
<211> 375
<212> DNA
<213> Mus musculus

<220>
<221> CDS
<222> (1)...(375)

<400> 17
gag gtg aag ctg gtg gag tct gga gga ggc ttg gta cag cct ggg ggt 48
Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
tct ctg aga ctc tcc tgt gca act tct ggg ttc acc ttc agt gat tac 96
Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30
tat atg aac tgg gtc cgc cag cct cca gga aag gct ctt gag tgg ttg 144
Tyr Met Asn Trp Val Arg Gln Pro Pro Gly Lys Ala Leu Glu Trp Leu
35 40 45
ggg ttt att aga aac aaa gct aat ggt tac aca aca gag ttc agt gca 192
Gly Phe Ile Arg Asn Lys Ala Asn Gly Tyr Thr Thr Glu Phe Ser Ala
50 55 60
tct gtg atg ggt cgg ttc acc atc tcc aga gat gat tcc caa agc atc 240
Ser Val Met Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Gln Ser Ile
65 70 75 80
ctc tat ctt cag atg aac acc ctg aga gct gag gac agt gcc act tat 288
Leu Tyr Leu Gln Met Asn Thr Leu Arg Ala Glu Asp Ser Ala Thr Tyr
85 90 95
tac tgt gca aga gat ccc ccc tat ggt aac ccc cat tat tat gct atg 336
Tyr Cys Ala Arg Asp Pro Pro Tyr Gly Asn Pro His Tyr Tyr Ala Met
100 105 110
gac tac tgg ggt caa gga acc tca gtc acc gtc tcc tca 375
Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
115 120 125

<210> 18
<211> 125
<212> PRT
<213> Mus musculus

<400> 18
 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Tyr
 20 25 30
 Tyr Met Asn Trp Val Arg Gln Pro Pro Gly Lys Ala Leu Glu Trp Leu
 35 40 45
 Gly Phe Ile Arg Asn Lys Ala Asn Gly Tyr Thr Thr Glu Phe Ser Ala
 50 55 60
 Ser Val Met Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Gln Ser Ile
 65 70 75 80
 Leu Tyr Leu Gln Met Asn Thr Leu Arg Ala Glu Asp Ser Ala Thr Tyr
 85 90 95
 Tyr Cys Ala Arg Asp Pro Pro Tyr Gly Asn Pro His Tyr Tyr Ala Met
 100 105 110
 Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
 115 120 125

<210> 19
 <211> 15
 <212> DNA
 <213> Mus musculus

<400> 19
 gattactata tgaac

<210> 20
 <211> 5
 <212> PRT
 <213> Mus musculus

<400> 20
 Asp Tyr Tyr Met Asn
 1 5

<210> 21
 <211> 57
 <212> DNA
 <213> Mus musculus

<400> 21
 ttattattagaa acaagctaa tgggtacaca acagagtcca gtgcattctgt gatgggt

<210> 22
 <211> 19
 <212> PRT
 <213> Mus musculus

<400> 22
 Phe Ile Arg Asn Lys Ala Asn Gly Tyr Thr Thr Glu Phe Ser Ala Ser
 1 5 10 15
 Val Met Gly

<210> 23
 <211> 42
 <212> DNA
 <213> Mus musculus

<400> 23
gatccccct atggtaaccc ccattattat gctatggact ac

42

<210> 24
<211> 14
<212> PRT
<213> Mus musculus

<400> 24
Asp Pro Pro Tyr Gly Asn Pro His Tyr Tyr Ala Met Asp Tyr
1 5 10

<210> 25
<211> 333
<212> DNA
<213> Mus musculus

<220>
<221> CDS
<222> (1) ... (333)

<400> 25
gac att gtg ctg acc cag tct cct gct tcc tta gct gtt tct ctg ggg 48
Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
1 5 10 15

cag agg gcc acc atc tca tgc agg gcc agc aaa agt gtc agt gca tct 96
Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Lys Ser Val Ser Ala Ser
20 25 30

ggc tat aat tat atg cac tgg tac caa cag aaa gca ggg cag cca ccc 144
Gly Tyr Asn Tyr Met His Trp Tyr Gln Gln Lys Ala Gly Gln Pro Pro
35 40 45

aaa ctc ctc atc cat ctt gca tcc aac cta gaa tct ggg gtc cct gcc 192
Lys Leu Leu Ile His Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Ala
50 55 60

agg ttc agt ggc agt ggg tct ggg aca gac ttc acc ctc aac atc cat 240
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
65 70 75 80

cct gtg gag gag gag gat gct tca acc tat tac tgt cag cac agt ggg 288
Pro Val Glu Glu Glu Asp Ala Ser Thr Tyr Tyr Cys Gln His Ser Gly
85 90 95

gag ctt cca ttc acg ttc ggc tgc ggg aca aag ttg gaa ata aaa 333
Glu Leu Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 26
<211> 111
<212> PRT
<213> Mus musculus

<400> 26

Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15
 Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Lys Ser Val Ser Ala Ser
 20 25 30
 Gly Tyr Asn Tyr Met His Trp Tyr Gln Gln Lys Ala Gly Gln Pro Pro
 35 40 45
 Lys Leu Leu Ile His Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Ala
 50 55 60
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
 65 70 75 80
 Pro Val Glu Glu Glu Asp Ala Ser Thr Tyr Tyr Cys Gln His Ser Gly
 85 90 95
 Glu Leu Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
 100 105 110

<210> 27
 <211> 45
 <212> DNA
 <213> Mus musculus

<400> 27
 agggccagca aaagtgtcag tgcactctggc tataattata tgcac

45

<210> 28
 <211> 15
 <212> PRT
 <213> Mus musculus

<400> 28
 Arg Ala Ser Lys Ser Val Ser Ala Ser Gly Tyr Asn Tyr Met His
 1 5 10 15

<210> 29
 <211> 21
 <212> DNA
 <213> Mus musculus

<400> 29
 cttgcatcca acctagaatc t

21

<210> 30
 <211> 7
 <212> PRT
 <213> Mus musculus

<400> 30
 Leu Ala Ser Asn Leu Glu Ser
 1 5

<210> 31
 <211> 27
 <212> DNA
 <213> Mus musculus

<400> 31
 cagcacagt gggagcttcc attcacg

<210> 32

27

<211> 9

<212> PRT

<213> Mus musculus

<400> 32

Gln His Ser Gly Glu Leu Pro Phe Thr
1 5